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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/707,331

12/05/2003

Bertil JONSSON

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EXAMINER

LEWIS, TISHA D

ART UNIT

PAPER NUMBER

3681

MAIL DATE

DELIVERY MODE

05/14/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/707,331	<b>Applicant(s)</b> JONSSON, BERTIL	
	<b>Examiner</b> TISHA D. LEWIS	<b>Art Unit</b> 3681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                                            |                                                                                         |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.                                                |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 5, 2007 has been entered.

### ***Response to Arguments***

Applicant's arguments with respect to the planet carrier of the prior art references used in the rejection not having a fixed carrier (of a star arrangement) have been fully considered and are persuasive. The 102(b) and 103(a) rejections of claims 1-8 has been withdrawn.

### ***Claim Objections***

Claims 10-15 are objected to because of the following informalities: These claims have the exact same limitations as claims 2-7 and depend from the same claim 1. Applicant is warned that in case claims 2-7 are allowed, claims 10-15 will need to be cancelled. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 6-11, 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kronogard 4326375 in view of Kronogard 3154918. As to claims 1, 8 and 9, Kronogard ('375) discloses a gas turbine transmission plant having a planetary transmission with a fixed carrier (24 fixed to shaft 26), an arrangement for driving at least one auxiliary unit (22 is considered auxiliary, column 2, line 67 to column 3, line 1) wherein the unit is operatively connected to shaft 26 of the planet carrier. Kronogard does not disclose the carrier being fixed relative to a casing of the transmission.

Kronogard ('918) discloses a gas turbine planet having a star gear drive with a fixed carrier (column 1, line 48) being stationary relative to a transmission casing (line extending upright from planet gear 7 with multiple slant lines).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide a fixed carrier relative to the transmission casing of Kronogard ('375) in view of Kronogard ('918) to provide reverse rotation to the auxiliary unit when needed.

As to claims 2, 6, 10 and 14, The auxiliary unit (22) of Kronogard ('375) would be directly connected to the planet gear if the carrier is stationary as in Kronogard ('918).

As to claims 3 and 11, Kronogard ('375) discloses the auxiliary unit built into the transmission.

As to claims 7 and 15, Kronogard discloses the auxiliary unit being a generator (22) generating electrical power.

Claims 1, 3, 7-9, 11 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sigg 4,255,981 in view of Kronogard 3154918. As to claims 1, 8 and 9, Sigg discloses a gas turbine having a planetary transmission with a fixed carrier (74, column 4, lines 61-62), an arrangement for driving at least one auxiliary unit (26) wherein the unit is operatively connected to shaft of the planet carrier (operatively connected via 24 to 26). Although Sigg discloses a fixed carrier, the reference does not disclose if the carrier is fixed relative to a casing of the transmission.

Kronogard ('918) discloses a gas turbine planet having a star gear drive with a fixed carrier (column 1, line 48) being stationary relative to a transmission casing (line extending upright from planet gear 7 with multiple slant lines).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide a fixed carrier relative to the transmission casing of Sigg in view of Kronogard ('918) to provide reverse rotation to the auxiliary unit when needed.

As to claims 3 and 11, Sigg discloses the auxiliary unit built into the transmission.

As to claims 7 and 15, Sigg discloses the auxiliary unit being an electric motor (column 3, lines 66-67) generating electrical power.

Claims 4, 5, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kronogard ('375) and Sigg in view of Kronogard ('918) as applied to claim 1 above, and further in view of Howes. Kronogard ('375) and Sigg in view of Kronogard ('918) discloses an auxiliary unit, but not in the form of an oil pump or oil separator as claimed.

Howes et al discloses a gas turbine arrangement having a planetary transmission (504) running an oil pump (237) and an oil separator (791) as auxiliary units.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the auxiliary unit of Kronogard ('375) and Sigg in view of Kronogard ('918) with an oil pump or separator further in view of Howes et al to provide oil under pressure to the gas turbine or separate clean and dirty oil for re-lubrication of the gas turbine.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TISHA D. LEWIS whose telephone number is 571-272-7093. The examiner can normally be reached on M-F 9AM TO 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CHARLES A. MARMOR can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tdl

May 10, 2008

/TISHA D. LEWIS/

Primary Examiner, Art Unit 3681